## AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

- 1. (currently amended) A powder metal composition comprising a ferrous metal powder and a modified lubricant consisting essentially of a lubricant powder and fragmented cellulose fibers having an average length less than 150  $\mu$ m and a diameter in the range from about [[ 1 $\mu$  ]] 1  $\mu$ m to [[ 20 $\mu$  ]] 20  $\mu$ m, the modified lubricant being present in an amount less than 2% by weight of the composition, the mixture having (i) a Hall apparent density numerically no smaller than 10% less than that obtained for the same powder metal mixture made with a conventional lubricant without the cellulose fibers, and (ii) a Hall flow rate which is at least 25 sec/ 50 g of mixture.
- 2. (original) The composition of claim 1 wherein the lubricant powder is selected from the group consisting of fatty acid monoamides, fatty acid bisamides, metal soaps and polyolefin waxes.
- 3. (currently amended) The composition of claim 1 wherein the cellulose fibers have an average length in the range from about [[  $1\mu$  ]]  $\underline{1 \mu m}$  but less than [[  $70\mu$  ]]  $\underline{70}$   $\underline{\mu m}$  and a Hall apparent density in the range from 2.7 to 3.5 g/cc.
- 4. (currently amended) In a powder ferrous metal mixture including a lubricant, the mixture having [[ an ]] a Hall flow rate of less than at least 25 sec/ 50 g of mixture, the improvement comprising micronized cellulose fibers having an average length in the range from about  $1\mu$  but less than  $70\mu$  and a diameter in the range from about [[  $1\mu$  ]]  $\underline{1\ \mu m}$  to [[  $20\mu$  ]]  $\underline{20\ \mu m}$ , the lubricant and fibers together present in an amount less than 2% by weight of the powder metal mixture, the weight ratio of lubricant/fibers being in the range from 1: 2 to 10:1.
- 5. (original) A method for making a homogeneous ferrous powder metal mixture comprising,

combining metal particles having an average particle diameter smaller than about 150 µm with a modified lubricant consisting essentially of a lubricant and cellulose fibers together present in an amount less than 2% by weight of the mixture, the lubricant having an average particle equivalent diameter smaller than 50 µm, the cellulose fibers having an average length smaller than 70 µm; and, mixing the mixture for a time sufficient to yield specifications of (i) Hall apparent density numerically no smaller than 10% less than that obtained for the same powder metal mixture made with a conventional lubricant without the cellulose fibers, and (ii) Hall flow rate which is at least 25 sec/ 50 g of mixture.

- 6. (original) The method of claim 5 wherein the Hall apparent density is greater than that obtained for the same powder metal mixture made with a conventional lubricant without the cellulose fibers.
- 7. (original) A modified lubricant adapted for use in a powder metal article, the modified lubricant consisting essentially of a lubricant selected from the group consisting of an inorganic compound, an organometal compound, and a wax, the lubricant having an average particle diameter smaller than 50  $\mu$ m, in combination with cellulose fibers having an average length smaller than 70  $\mu$ m, the weight ratio of lubricant to fibers being in the range from about 1 : 2 to 10 : 1.